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(54) ANTI-AGING AGENT USING HOVENIA DULCIS THUNB. EXTRACT CONTAINING NATURAL ANTIOXIDANT

(57) Abstract:

PURPOSE: A natural antioxidant substance containing 4-hydroxy-3-methoxy benzoic acid, 4-hydroxy-3-methoxy cinnamic acid, quercetin-3-O- β -D-glucopyranoside and hovenidine B6 as a new natural antioxidant active material separated from Hovenia dulcis Thunb. is provided which is expected to be used as a material of food and medicine having an anti-aging function. CONSTITUTION: Leaves and stems of Hovenia dulcis Thunb. are extracted in water, freeze dried and then extracted in methanol, followed by solvent fractionation to produce an ethyl acetate acidic fraction and neutral fraction. An active material contained in the extract is then purified with a purifying means such as silica gel column chromatography, chromatography with Sephadex LH-20, octadecylsilane column chromatography, a reversed-phase high-performance liquid chromatography or the like.

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